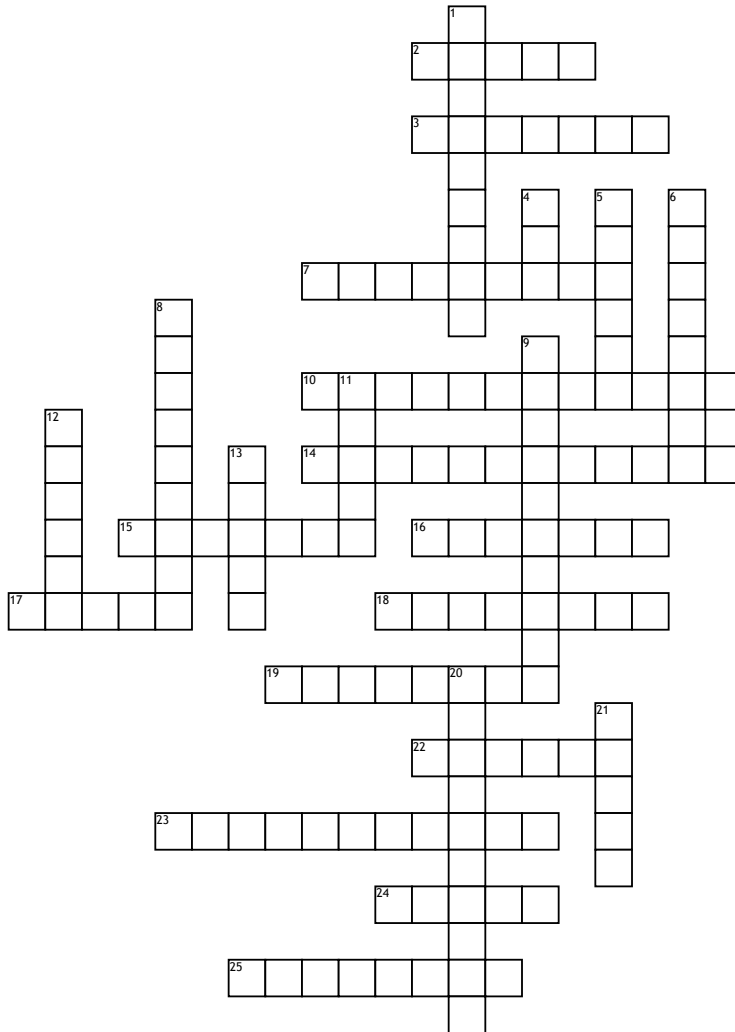


Essence's Crossword Puzzle



Across

- 2. having the same value
- 3. opposite over adjacent
- 7. a quantity representing the power to which a given number or expression is to be raised
- 10. the branch of mathematics dealing with the relations of the sides and angles of triangles and with the relevant functions of any angles
- 14. logical reasoning
- 15. defines a shape that curves inward
- 16. a true statement
- 17. the space in between two intersecting lines

- 18. a relationship or expression involving one or more variables.
- 19. the set of all real numbers in-between two given numbers
- 22. as $x \rightarrow$ infinity ; the graph \rightarrow infinity
- 23. of or expressed by a mathematical exponent
- 24. a diagram showing the relationship between two quantities
- 25. a letter used to signify an unknown number

Down

- 1. two mathematical expressions are equal

- 4. opposite over hypotenuse
- 5. adjacent over hypotenuse
- 6. object that can be interpreted as an area or a generalization of area
- 8. a line where the graph can no longer go anywhere past it and never quite touches it
- 9. side to side
- 11. the difference in the lowest and the highest value
- 12. unit of measure for angles
- 13. as $x \rightarrow$ infinity ; the graph \rightarrow negative infinity
- 20. up and down
- 21. move from one place to another

Word Bank

- | | | | | |
|----------|--------------|------------|--------------|--------|
| decay | sin | concave | trigonometry | angle |
| tangent | asymptote | vertically | exponential | graph |
| cosine | analytically | exponents | theorem | growth |
| function | equations | equal | radian | shift |
| interval | variable | horizontal | integral | range |